

FIG.1

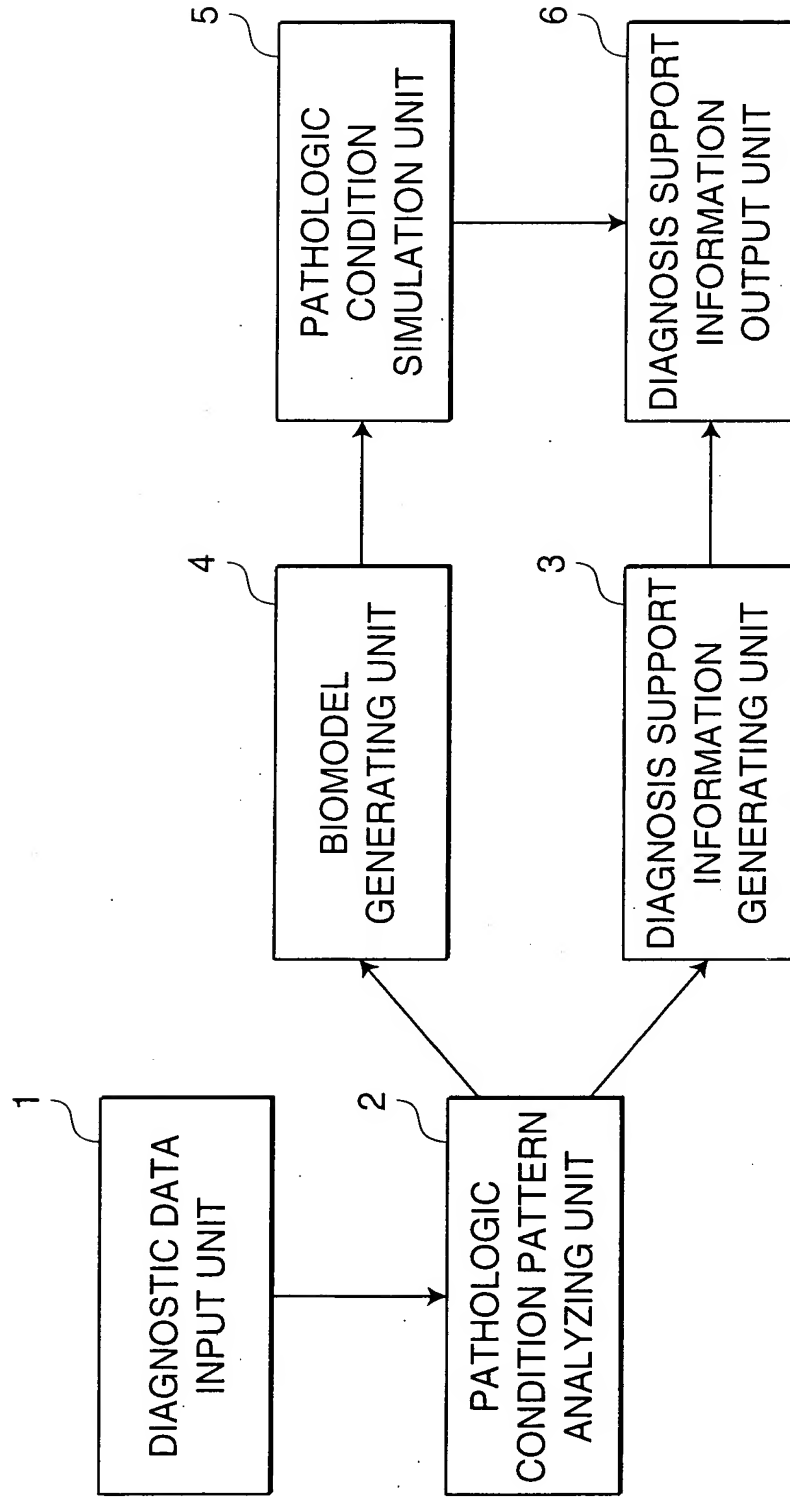


FIG.2

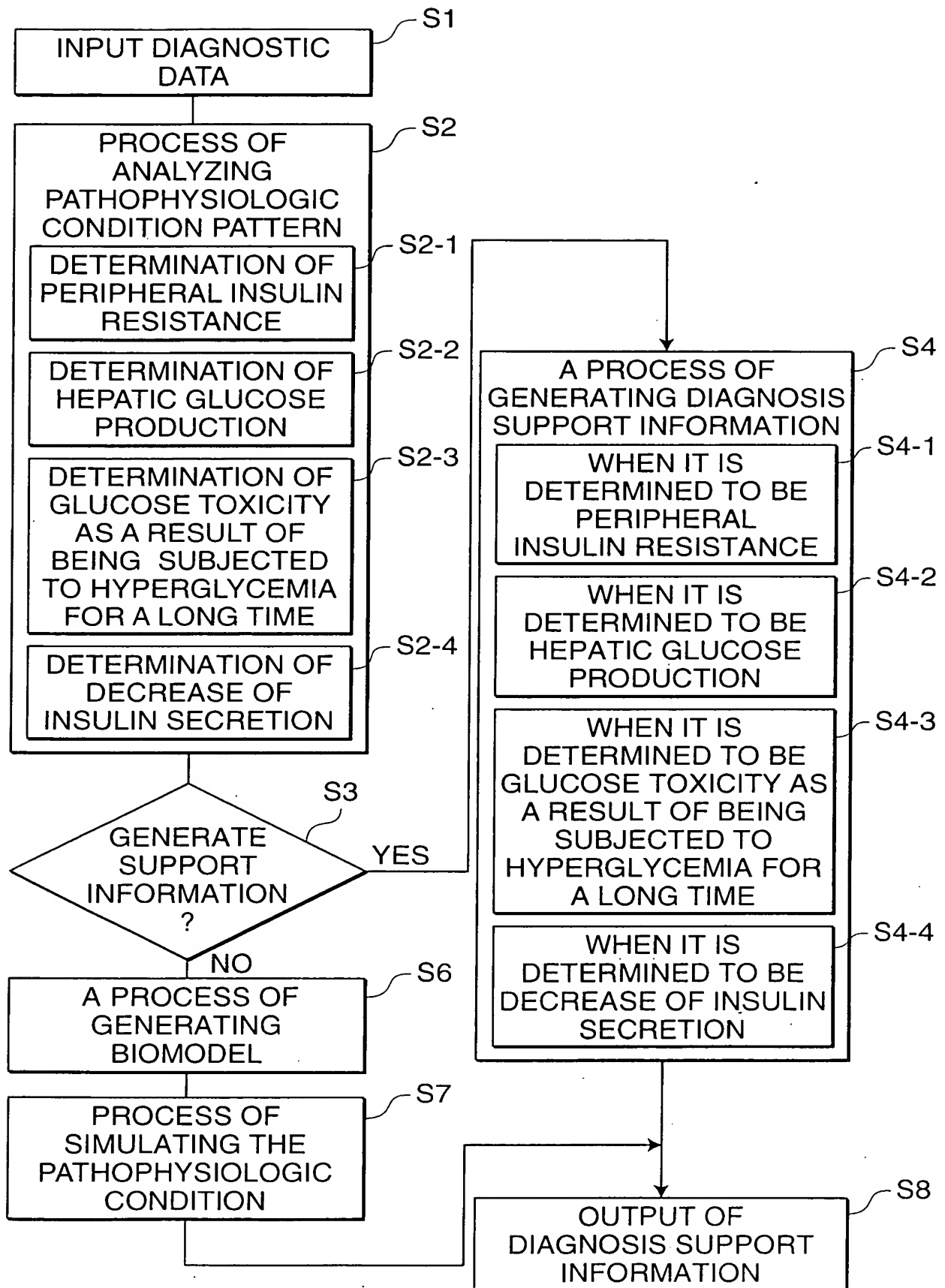


FIG.3

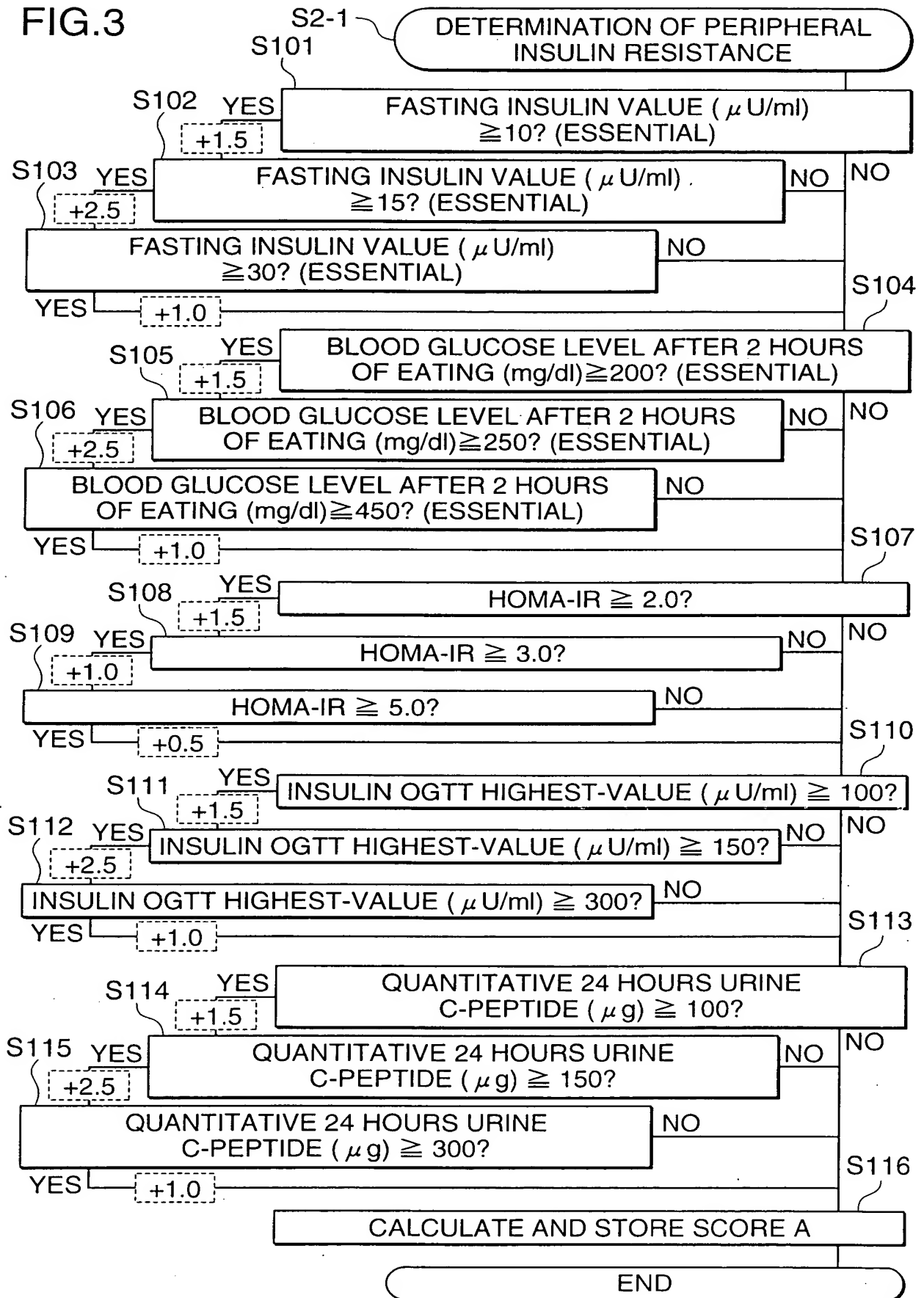


FIG.4

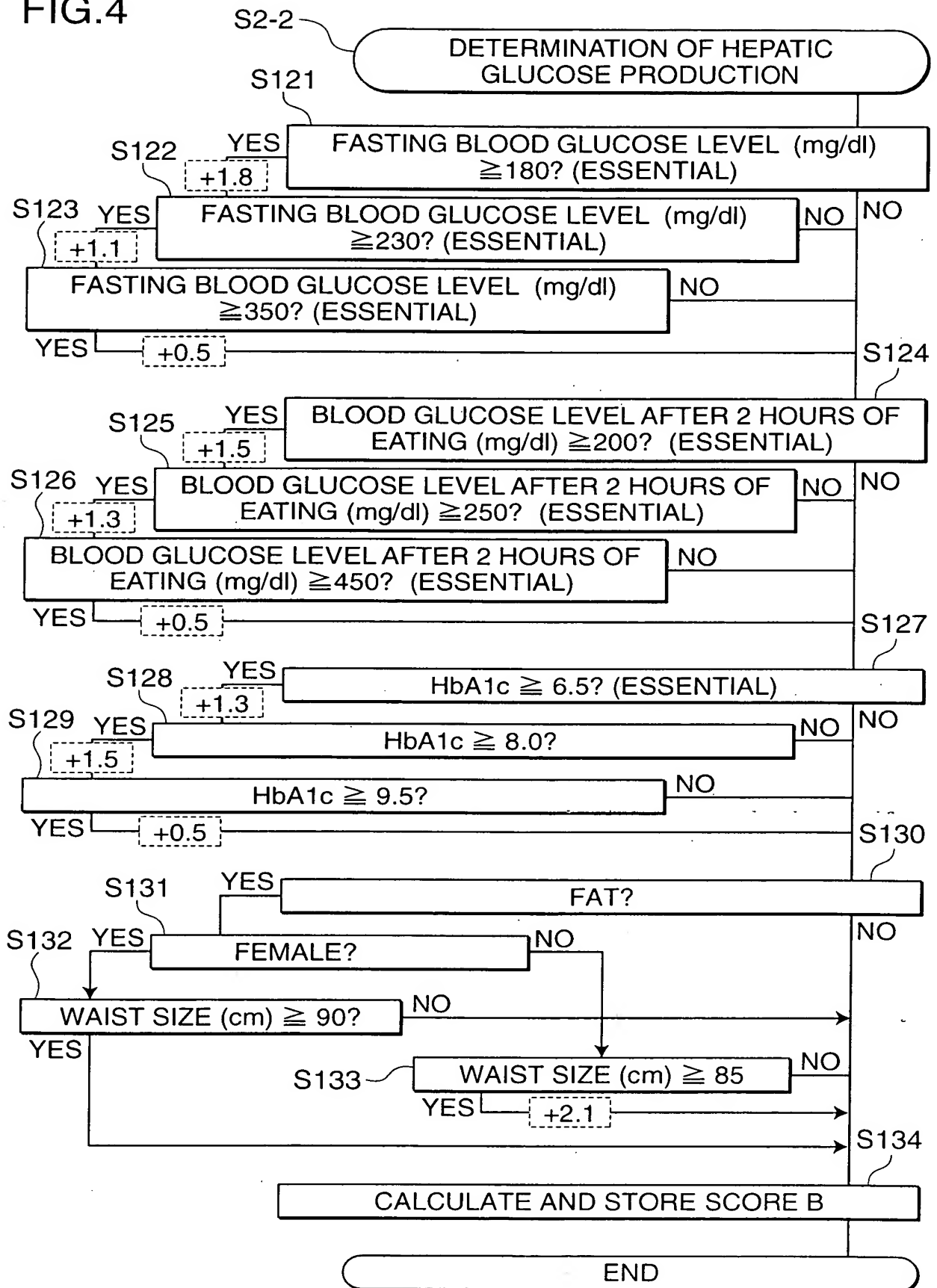
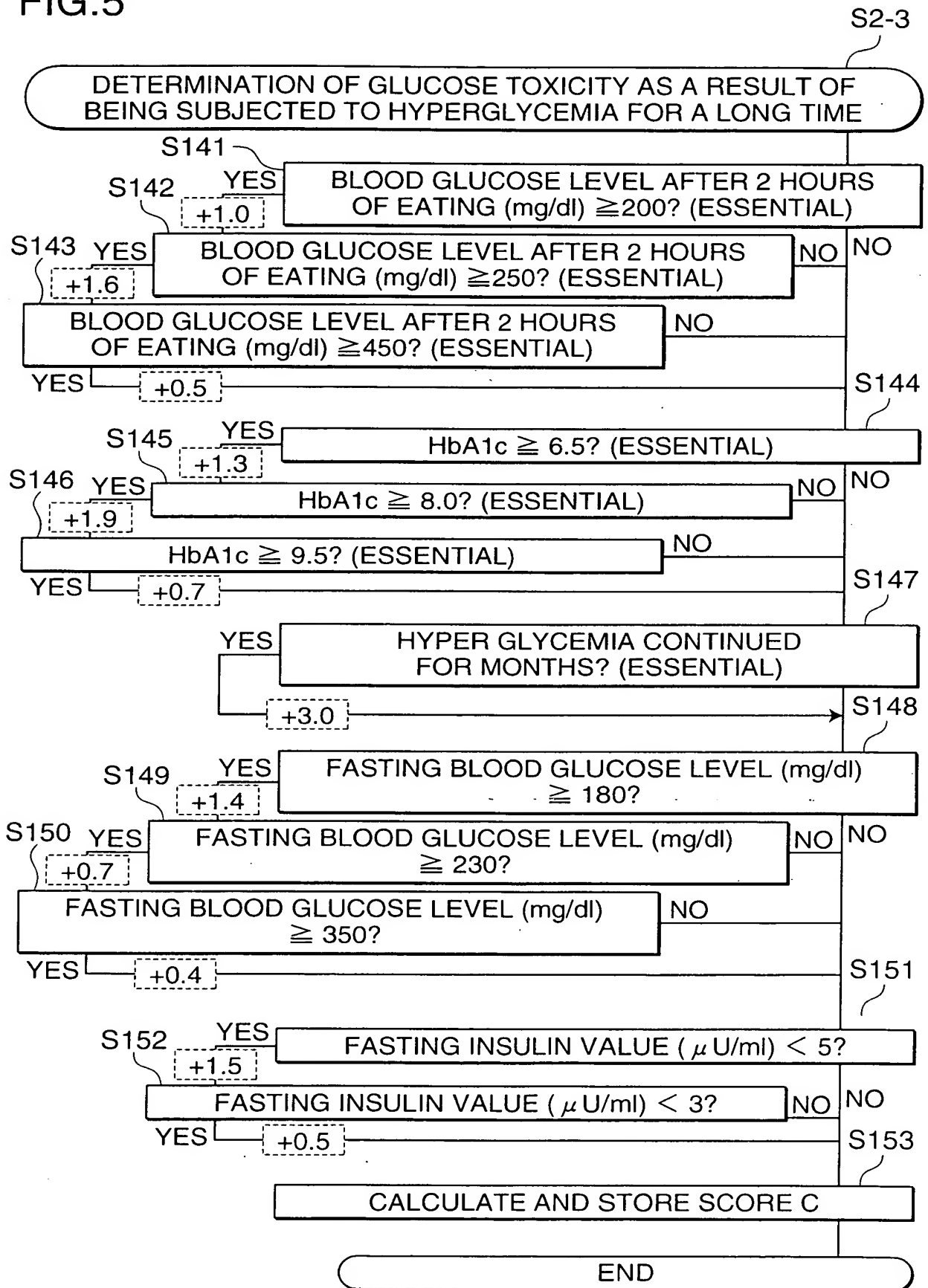


FIG.5



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graph TD
    S2-4([S2-4 DETERMINATION OF DECREASE OF INSULIN SECRETION]) --> S161{S161 FASTING INSULIN VALUE (μU/ml) < 5? (ESSENTIAL)}
    S161 -- YES (+2.7) --> S162{S162 FASTING INSULIN VALUE (μU/ml) < 3? (ESSENTIAL)}
    S161 -- NO --> S162
    S162 -- YES (+2.3) --> S163{S163 WEIGHT DECREASED? (ESSENTIAL)}
    S162 -- NO --> S163
    S163 -- YES (+3.0) --> S164{S164 BMI < 18.5?}
    S163 -- NO --> S164
    S164 -- YES (+1.0) --> S165{S165 BMI < 15.0?}
    S164 -- NO --> S165
    S165 -- YES (+1.0) --> S166{S166 QUANTITATIVE 24 HOURS URINE C-PEPTIDE(μg) < 50?}
    S165 -- NO --> S166
    S166 -- YES (+1.3) --> S167{S167 QUANTITATIVE 24 HOURS URINE C-PEPTIDE(μg) < 30?}
    S166 -- NO --> S167
    S167 -- YES (+1.2) --> S168{S168 ΔIRI/ΔBS ≤ 0.4?}
    S167 -- NO --> S168
    S168 -- YES (+1.0) --> S169{S169 QUALITATIVE KETONES POSITIVE?}
    S168 -- NO --> S169
    S169 -- YES (+1.0) --> S170[ ]
    S169 -- NO --> S170
    S170 --> S170[ ]
    S170 --> END([END])

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FIG.7

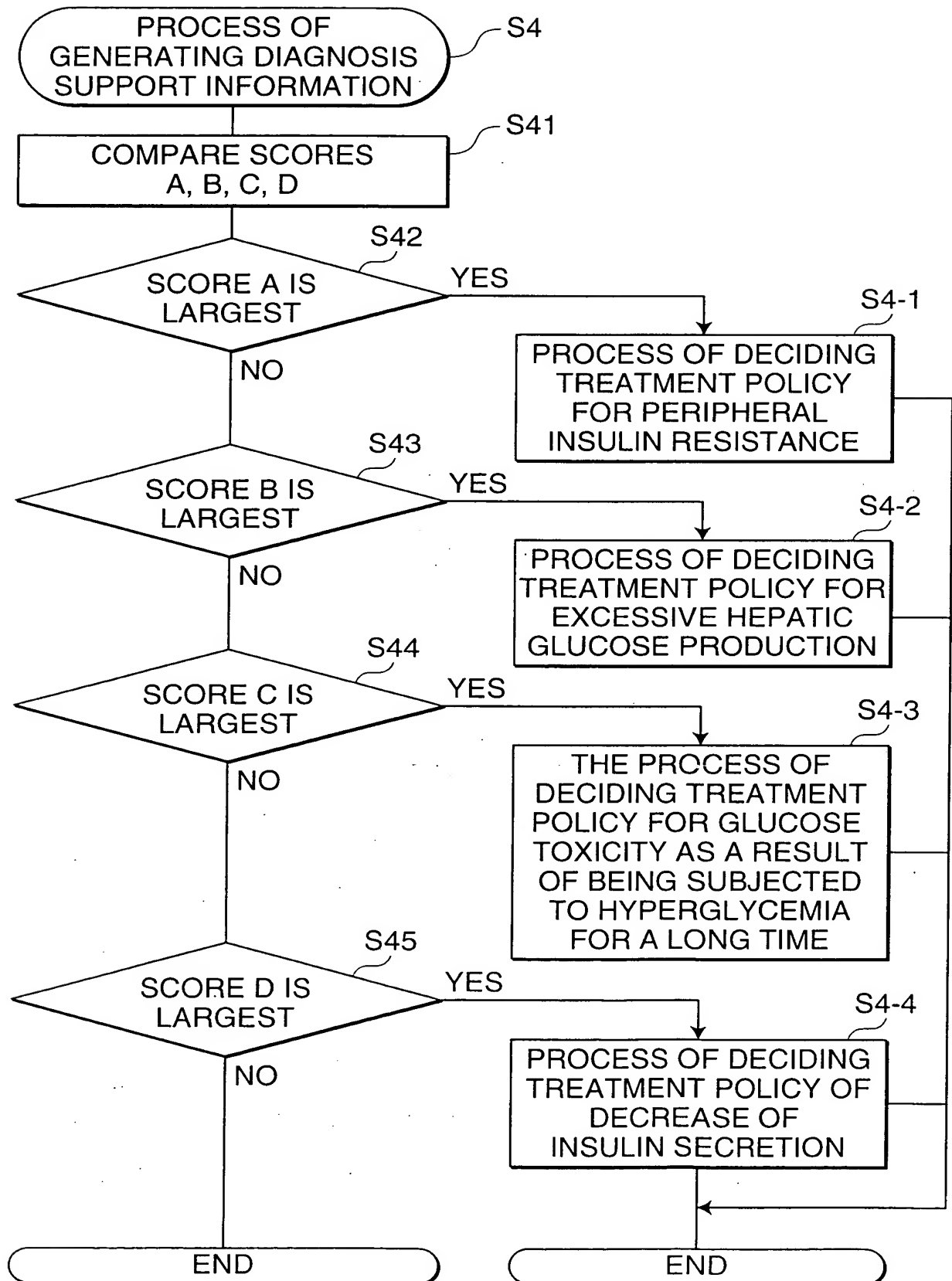


FIG.8

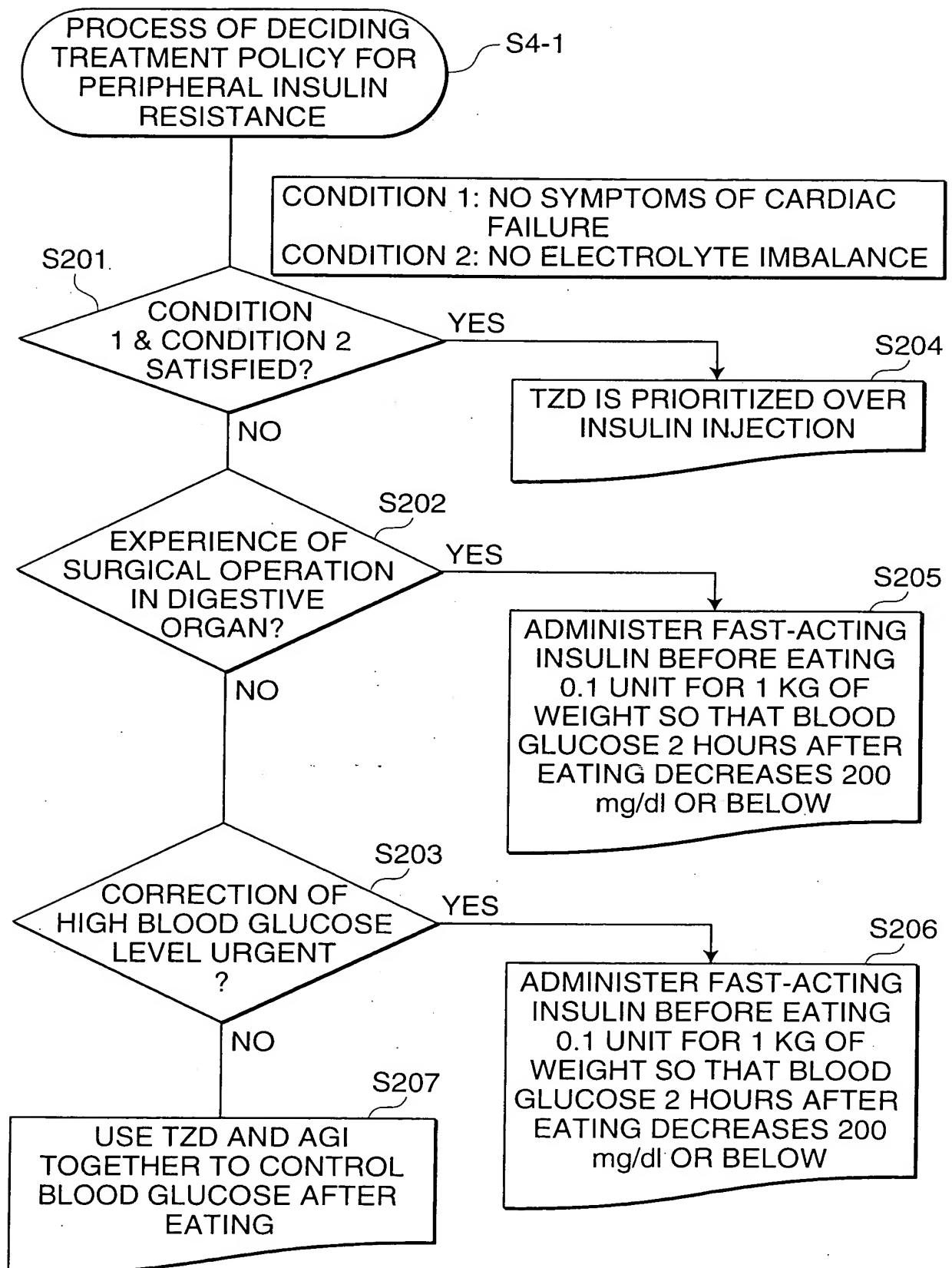


FIG.9

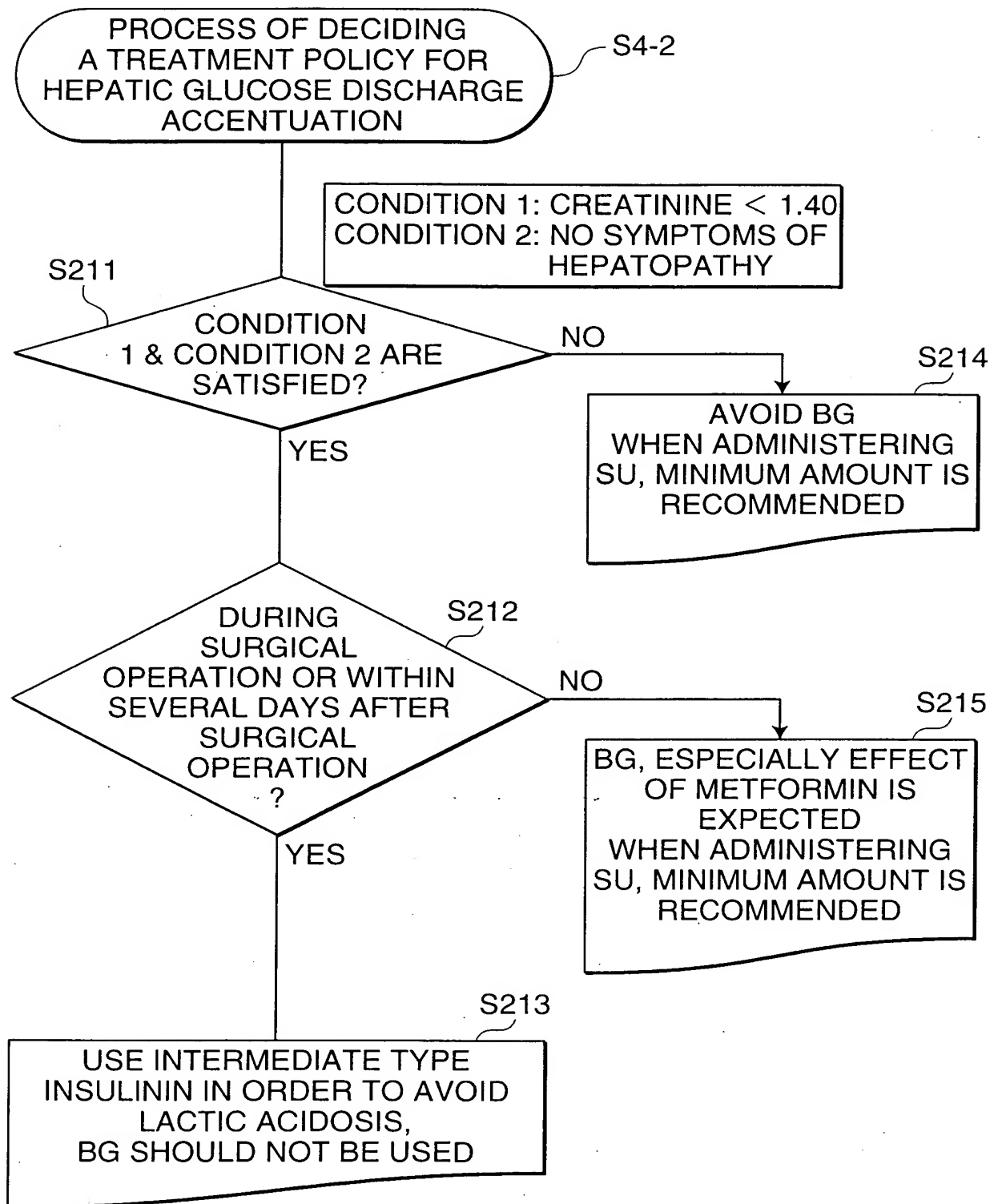


FIG.10

S4-3

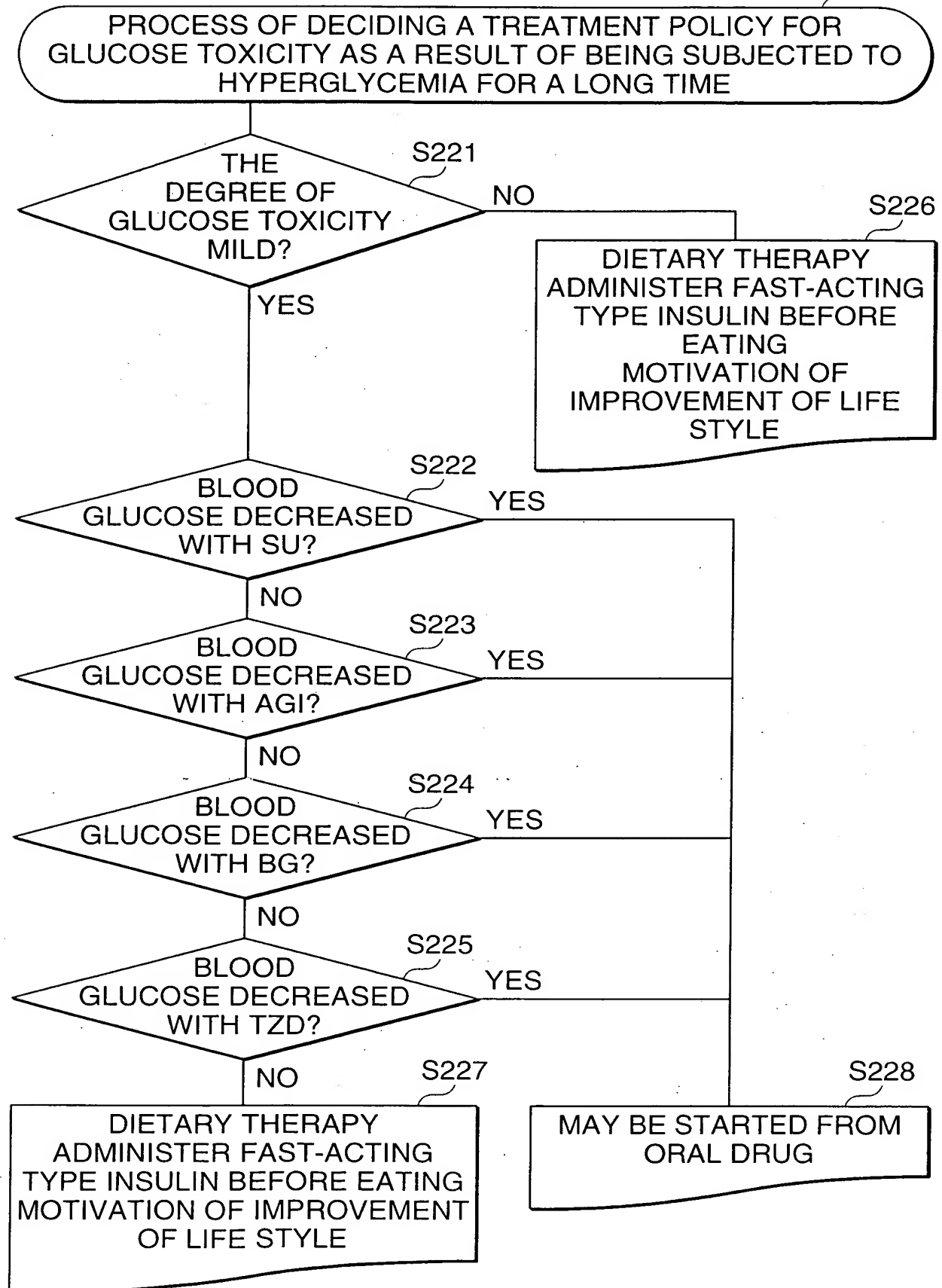


FIG.11

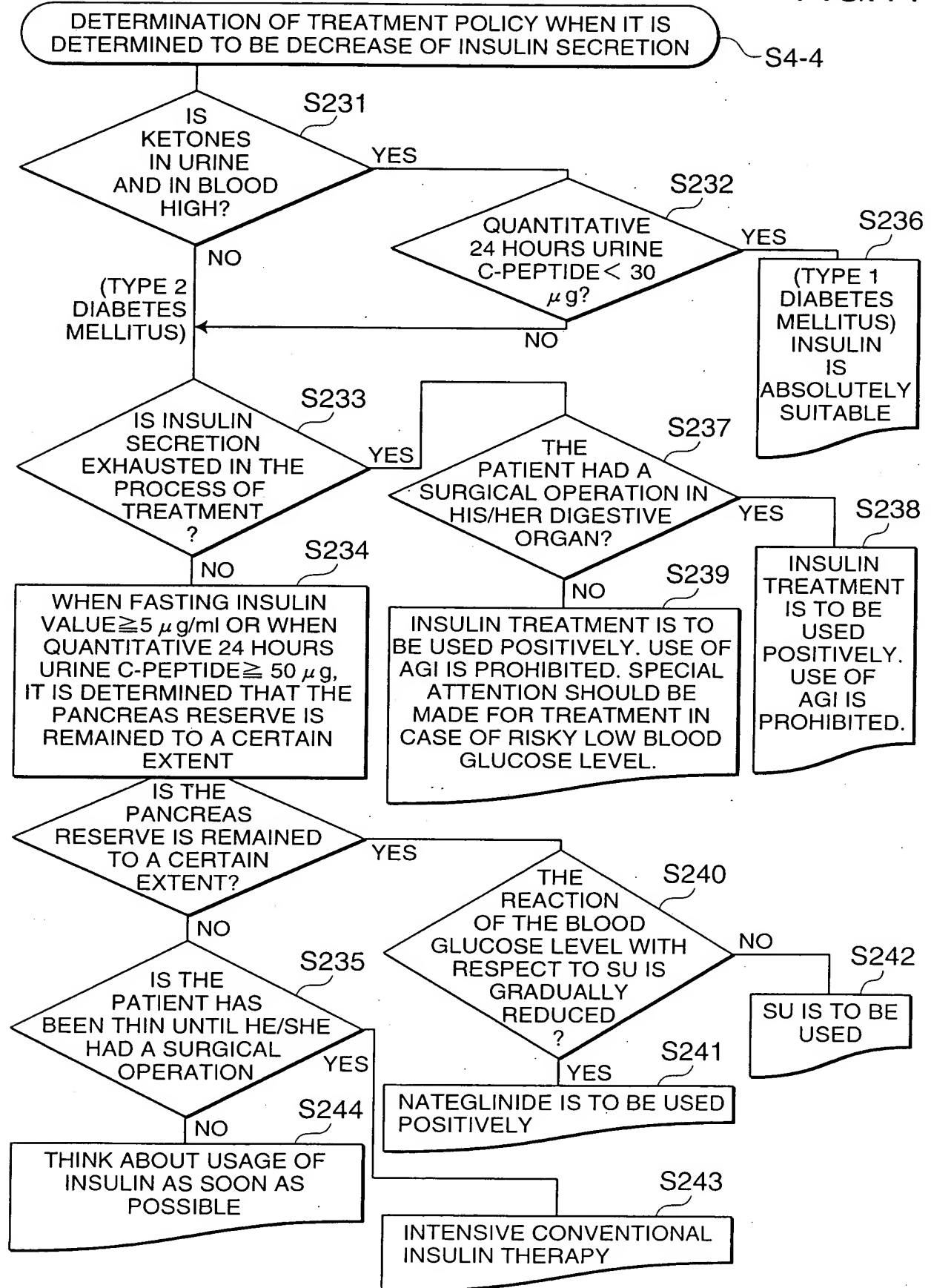


FIG.12

EVALUATION VALUE	PATIENT WITH INSULIN RESISTANCE	PATIENT WITH EXCESSIVE HEPATIC GLUCOSE PRODUCTION	PATIENT WITH GLUCOSE TOXICITY	PATIENT WITH DECREASE OF INSULIN SECRETION
FASTING BLOOD GLUCOSE LEVEL	150	180	200	140
FASTING INSULIN LEVEL	25	12	2	1
BLOOD GLUCOSE LEVEL 2 HOURS AFTER EATING	250	280	300	220
HbA1c	7.5	8.5	9.5	8
WAIST SIZE	95	90	80	75
WEIGHT DECREASE	+	+
KETON	+	+

RESULT (SCORE)	PATIENT WITH INSULIN RESISTANCE	PATIENT WITH HEPATIC GLUCOSE PRODUCTION	PATIENT WITH GLUCOSE TOXICITY	PATIENT WITH DECREASE OF INSULIN SECRETION
INSULIN RESISTANCE A	0.85	0.65	0.31	0.12
HEPATIC GLUCOSE PRODUCTION B	0.51	0.79	0.65	0.36
GLUCOSE TOXICITY C	0.58	0.58	0.86	0.54
DECREASE OF INSULIN SECRETION D	0	0	0.82	0.82

FIG.13

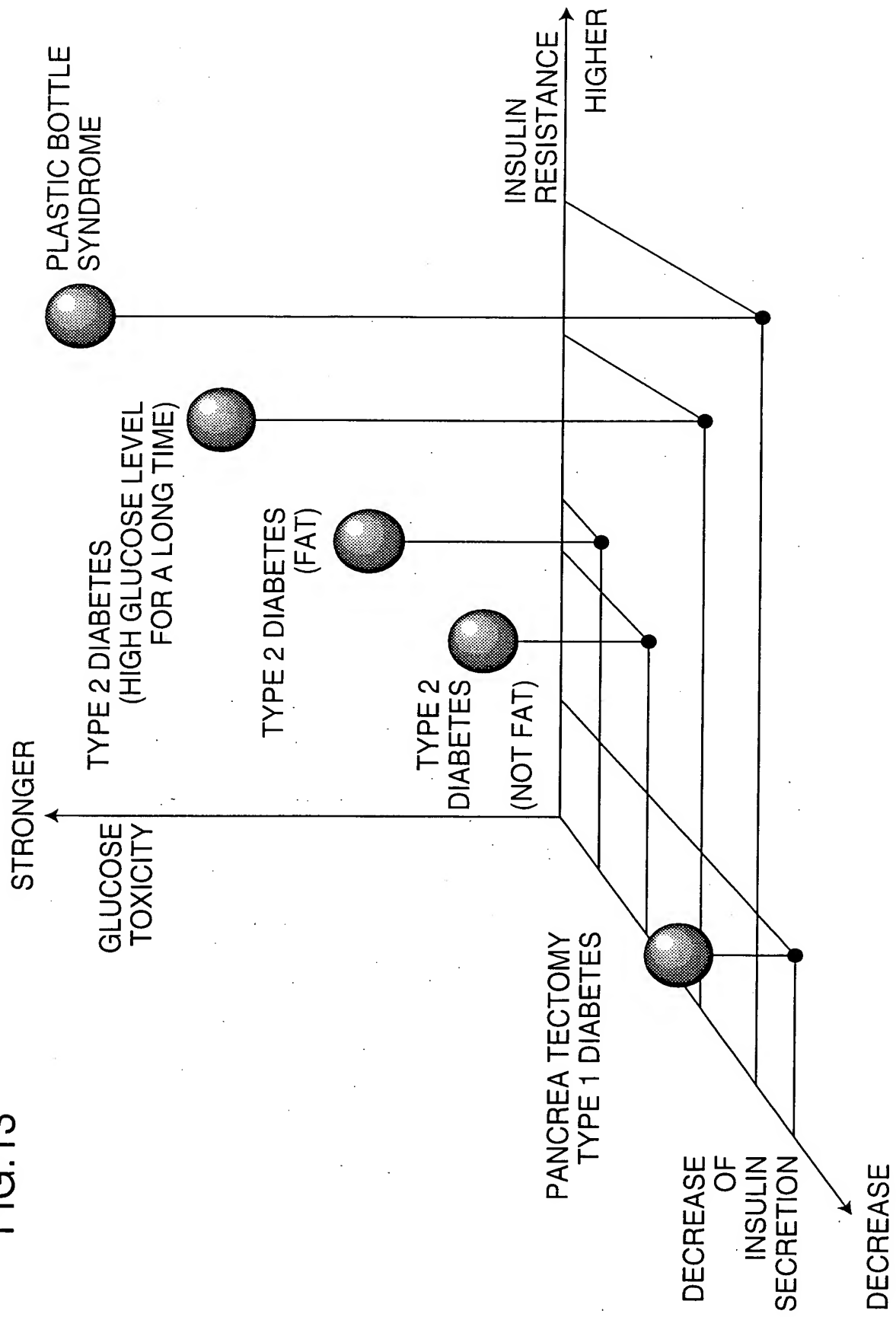


FIG.14

